Plasmid quantification using NanoDrop 2000

1. Clean the upper and lower optical surface of the micro-spectrophotometer sample retention as follows:
   Pipet 1 to 2 µl of nuclease free water onto the lower optical surface. Close the lever arm then open and wipe off both optical surfaces with a Kimwipe.
2. Open the NanoDrop2000 software and configure it to nucleic acid mode.
3. Initialize the spectrophotometer by placing 1 µl of nuclease free water onto the lower surface, lower the lever arm, and select “Initialize”. Once it is complete, clean both optical surfaces with a kimwipe.
4. Perform a blank measurement by loading 1 µl nuclease free water or buffer (depending on the solution your DNA is in). Close the lever arm and select “Blank” on the software. After the measure is done, clean both optical surfaces with a kimwipe.
5. Add 1 µl of nuclease free water to clean the surface and wipe the lower and upper surface.
6. Measure the nucleic acid sample loading 1 µl and selecting “Measure” on the software. Once the measurement is complete, clean both optical surface with a Kimwipe, and repeat step 4 after the measure.
7. Measure 2-3 times each same sample to make an average. This is to corroborate your results

Note: If your sample had been stored for a while, make sure to resuspend before measuring.